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This index covers all technical items — papers, correspondence, reviews, etc. — that appeared in this periodical during 1994, and items from previous years that were commented upon or corrected in 1994.

The Author Index contains the primary entry for each item, listed under the first author's name, and cross-references from all coauthors. The Subject Index contains several entries for each item under appropriate subject headings, and subject cross-references.

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target recogn., image filters generation. *Katz, A.J.*, + , *T-PAMI Sep 94* 906-910

Text recognition

document image decoding, Markov source models. *Kopec, G.E.*, + , *T-PAMI Jun 94* 602-617

engineering drawings, dimens. sets detect. *Chan Pyng Lai*, + , *T-PAMI Aug 94* 848-855

Three-dimensional vision; cf. Stereo vision

Tomography

obj. boundary estim., regularized contrast stat. *O'Sullivan, F.*, + , *T-PAMI Jun 94* 561-570

Tomography, nuclear

left ventricular myocardial midwall estim. in emission tomographs, Kohonen maps. *Manhaeghe, C.*, + , *T-PAMI Mar 94* 259-266

Topology

3-D digital topol. preservation, 3-D simple points. *Saha, P.K.*, + , *T-PAMI Oct 94* 1028-1032

handwritten character recog., shape matching. *Wakahara, T., T-PAMI Jun 94* 618-629

Tracking

act. camera motion tracking. *Murray, D.*, + , *T-PAMI May 94* 449-459

Transducers; cf. Intelligent sensors; Multisensor systems

Transforms

curve segmentation under partial occlusion. *Katzir, N.*, + , *T-PAMI May 94* 513-519

Euclidean dist. transform, gray-scale morph. decomp. *Huang, C.T.*, + , *T-PAMI Apr 94* 443-448

template matching, parametric search, posn.-orient. masking. *Paglieroni, D.W.*, + , *T-PAMI Jul 94* 740-747

Transforms; cf. Fourier transforms; Hough transforms; Walsh analysis; Wavelet transforms

Trees, graphs

handwritten cursive Arabic character recogn., fuzzy graphs. *Abuhaiba, I.S.I.*, + , *T-PAMI Jun 94* 664-672

pattern class., machine decision trees. *Draper, B.A.*, + , *T-PAMI Sep 94* 888-893

unrooted-unordered tree distance metric, bottom-up computation. *Tanaka, E., T-PAMI Dec 94* 1233-1238

TV cameras; cf. TV image sensors

TV image sensors

radiometric CCD camera calib. and noise estim. *Healey, G.E.*, + , *T-PAMI Mar 94* 267-276

U

Uncertain systems

mobile robot motions planning, sens. uncertainty field. *Takeda, H.*, + , *T-PAMI Oct 94* 1002-1017

stereo matching algm., adaptive window. *Kanade, T.*, + , *T-PAMI Sep 94* 920-932

V

Vector quantization

memoryless vector quantizers trained on small training sets, theory and practice. *Cohn, D.*, + , *T-PAMI Jan 94* 54-65

Vectors

orient.-based differential geometric representations for computer vision appls. *Ping Liang*, + , *T-PAMI Mar 94* 249-258

Vision systems (nonbiological); cf. Machine vision; Stereo vision

Visualization

left ventricle shape and motion, modeling/anal./visualization. *Chang Wen Chen*, + , *T-PAMI Apr 94* 342-356

Viterbi detection

handwritten word recogn., off-line, HMM stochastic network. *Mou-Yen Chen*, + , *T-PAMI May 94* 481-496

W

Walsh analysis

stereo matching paradigm. *Adjouadi, M.*, + , *T-PAMI Dec 94* 1212-1218

Watanabe, Satosi

obituary. *T-PAMI Mar 94* 226

Waveform analysis; cf. Spectral analysis

Wavelet transforms

orthogonal wavelets, interpolation, regularisation. *Penland, A.P., T-PAMI Apr 94* 410-414

surface interpolation, multiresolution wavelet transform. *Ming-Haw Yaou*, + , *T-PAMI Jul 94* 673-688

texture ident., wavelet decomp./HMM. *Jia-Lin Chen*, + , *T-PAMI Feb 94* 208-214

X

X-ray imaging; cf. Biomedical imaging, X-ray

Z

Zero-crossing problems; cf. Level-crossing problems